

FEB 22 2007

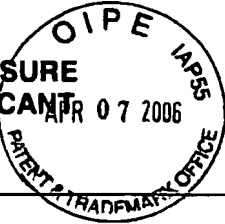
Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known		
	Application Number	10/692,491	
	Filing Date	October 24, 2003	
	First Named Inventor	Ernest Chen	
	Art Unit	2616	
Date:	February 22, 2007	Examiner Name	GHIN, Wellington DUC #10
Sheet 1 of 1	Attorney Docket Number	PD-201150	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DH		US-6,522,683	02-2003	Smee et al.	—
		US-7,161,931	01-2007	Li et al.	—
		US-6,956,841	10-2005	Stahle et al.	—
		US-6,049,586	04-2000	Saunders et al.	—
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		US-7,154,958	12-2006	Dabak et al.	—
		US-2003/0194022	10-2003	Hammons et al.	—
		US-2004/0146014	07-2004	Hammons et al.	—
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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature	<i>Luchetti</i>	Date Considered	6-13-07
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for forms PTO/SB/08A and PTO/SB/08B INFORMATION DISCLOSURE STATEMENT BY APPLICANT 	Complete if Known	
	Application Number	10/692,491
	Filing Date	October 24, 2003
	First Named Inventor	Ernest Chen
	Art Unit	2616
	Examiner Name	PHAM, Chi-H. DUC HO
	Attorney Docket Number	PD-201150
Sheet 1 of 5		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PH		US-5,603,084	02-1997	Henry et al.	11
		US-6,389,002	05-2002	Schilling, Donald L.	11
		US-6,178,158	01-2001	Suzuki et al.	11
		US-6,731,700	05-2004	Yakhnich et al.	11
		US-6,411,797	06-2002	Estinto, Eugene	11
		US-2002/0071506	06-2002	Lindquist et al.	11
		US-5,493,307	02-1996	Tsujimoto, Ichiro	11
		US-5,956,373	09-1999	Goldston et al.	11
		US-6,535,497	03-2003	Raith, Alex Krister	11
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		US-3,974,449	08-1976	Falconer, David Duncan	11
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		US-6,304,594	10-2001	Salinger, Sheldon Norman	11
		US-5,579,344	11-1996	Namekata, Minoru	11
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<i>CH</i>		US-6,330,336	12-2001	Kasama, Minoru	1
		US-6,718,184	04-2004	Aiken et al.	1
		US-5,819,157	10-1998	Ben-Efraim et al.	1
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		US-3,383,598	05-1968	Sanders	1
<i>DH</i>		US-5,577,087	11-1996	Furuya	1

Examiner Signature	<i>Duc Ho</i>	Date Considered	6-13-07
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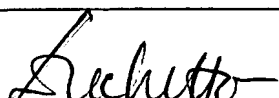
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DH		US-5,602,868	02-1997	Wilson	—
I		US-5,815,531	09-1998	Dent	—
I		US-5,960,040	09-1999	Cai et al.	—
I		US-6,987,068	11-1999	Cassia et al.	—
I		US-5,963,845	10-1999	Floury et al.	—
DH		US-2002/0094015	07-2002	Harles et al.	—

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DH		EP 0929164	07-1999	Societe Europeene des Satellites	—	
I		WO 02/073817	09-2002	Nokia Corporation	—	
I		EP 0356096	02-1990	Meyers	—	
I		EP 0238822	09-1987	NEC Corporation	—	
DH		WO 99/20001	04-1999	Silberger et al.	—	

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
<i>DH</i>		FANG, T. et al.; "Fourth-Power Law Clock Recovery with Prefiltering", Proceedings of the International Conference on Communications (ICC), Geneva, May 23-26, 1993, New York, IEEE, US, Vol. 3, May 23, 1993, pages 811-815, XP010137089, ISBN:0-7803-0950-2, Section I, Introduction	
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<i>DH</i>		SLIMANE, S.B.; JANSSEN, G.J.M.: "Power Optimization of M-PSK Cochannel Signals for a Narrowband Multiuser Detector", 2001 IEEE Pacific Rim Conference on Communications, Computer and Signal Processing, Victoria, B.C., Canada, August 26-28, 2001, XP010560334	
<i>DH</i>		SOONG, A.C.K.; KRZYMIEN, W.A.: "Performance of a Reference Symbol Assisted Multistage Successive Interference Cancelling Receiver in a Multicell CDMA Wireless System", Conference Record, Communication Theory Mini-Conference GlobeCom '95, IEEE Singapore 13-17 November 1995, XP010159490	
<i>DH</i>		ARSLAN, H; MOLNAR, K: "Iterative Co-channel Interference Cancellation in Narrowband Mobile Radio Systems", Emerging Technologies Symposium: Broadband, Wireless Internet Access, 2000 IEEE April 10-11, 2000, Piscataway, New Jersey, US, XP010538900	


Examiner Signature	<i>Luchetti</i>	Date Considered	<i>6-13-07</i>
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	Art Unit	2616
	Examiner Name	PHAM, CHR. DUC HO
Sheet 5 of 5	Attorney Docket Number	PD-201150

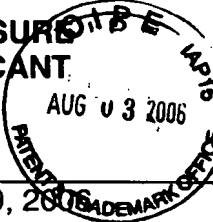
U.S. PATENT DOCUMENTS					
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
DH		MAZZINI, GIANLUCA: "Power Division Multiple Access", Universal Personal Communications, 1998, ICUPC 1998, IEEE 1998, International Conference on Florence, Italy, 5-9 October 1998, New York, NY, US, IEEE, US 5 October 1998 (1998 10-5), pages 543-546, XP010314962 ISBN: 0-7803-5106-1		
DH		SALEH, A.A.M. et al.: "Adaptive Linearization of Power Amplifiers in Digital Radio Systems", Bell System Technical Journal, American Telephone and Telegraph Co., New York, US, Vol. 62, No. 4, Part 1, 1 April 1983 (1983-04-01), pages 1019-1033, XP002028354		
DH		RAMCHANDRAN, KANNAN et al.: "Multiresolution Broadcast for Digital HDTV Using Joint Source/Channel Coding, IEEE, Vol. 11, No. 1, January 1993, pp. 6-22		
DH		MEYR, HEINRICH et al.: "Digital Communication Receivers - Synchronization, Channel Estimation, and Signal Processing"; John Wiley & Sons, Inc.; 1998; pages 212-213 and 217-218; XP 002364874		
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Substitute for form PTO/SB/08A

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**


Complete if Known

Application Number	10/692,491
Filing Date	10-24-2003
First Named Inventor	Ernest C. Chen
Art Unit	2616
Examiner Name	PHAM, Chi H. DUC HO

Date: July 19, 2006

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Attorney Docket Number PD-201150

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DH		US-4,637,017	01-1987	Assal et al.	1
		US-5,940,025	08-1999	Koehnke et al.	11
		US-5,870,443	02-1999	Rahnema, Moe	11
		US-2003/0138037	07-2003	Kaku et al.	11
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		US-6,426,822	07-2002	Winter et al.	1
		US-6,741,662	05-2004	Francos et al.	11
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		US-5,648,955	07-1997	Jensen et al.	11
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		US-5,229,765	07-1993	Gardner, Wallace R.	11
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DH		US-6,061,393	05-2000	Tsui et al.	11

Examiner
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DH		US-6,272,679	08-2001	Norin, John L.	1
		US-6,212,360	04-2001	Fleming et al.	1
		US-6,188,717	02-2001	Kaiser et al.	1
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		US-5,199,047	03-1993	Koch, Wolfgang	1
		US-5,088,110	02-1992	Bonnerot et al.	1
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		US-4,384,355	05-1983	Werner, Jean-Jacques	1
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		US-5,966,048	10-1999	Thompson	1
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		US-5,221,908	06-1993	Katz et al.	1
DH		US-4,918,708	04-1990	Pottinger et al.	1

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DH		US-4,878,030	10-1989	Vincze	—
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		US-4,647,873	03-1987	Beckner et al.	—
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		US-4,500,984	02-1985	Shimbo et al.	—
		US-4,283,684	08-1981	Satoh	—
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DH		US-6,411,659	06-2002	Liu et al.	—

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		JP 07-038615	02-1995	Yasushi, Sogabe	—	
		DE 3642213	12-1986	Lopau et al.	—	
		JP 5-252084	09-1993	Takenaka et al.	—	
		JP 5-114878	05-1993	Kazama et al.	—	
		JP 5-41683	02-1993	Matsudo et al.	—	
		JP 2-95033	04-1990	Yamamoto, Yoshihiko	—	
		JP 2-5631	01-1990	Oda, Hirobumi	—	
	DH		JP 03139027	06-1991	Nippon Telegraph and Telephone Corporation	—

NON PATENT LITERATURE DOCUMENTS			
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DH		WOLCOTT, TED J. ET AL.; "Uplink-Noise Limited Satellite Channels"; IEEE 1995; pages 717-721; XP-00580915	
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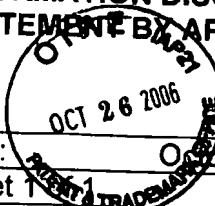
Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known	
	Application Number	10/692,491
	Filing Date	10-24-2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2616
	Examiner Name	PHAM, Chi H. DUC H
Date:	September 13, 2006	
Sheet 1 of 1	Attorney Docket Number	PD-201150

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DH		US-6,970,496	11-2005	Ben-Bassat et al.	—
I		US-2003/0002471	01-2003	Crawford et al.	—
I		US-2006/0056541	03-2006	Chen et al.	—
DH		US-5,577,067	11-1996	Zimmerman	—

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
DH		CHEN, ERNEST et al.; "DVB-S2 Backward-Compatible Modes: A Bridge Between the Present and the Future"; International Journal of Satellite Communications and Networking; Volume 22, Issue 3, pages 341-365; published 2004 by John Wiley & Sons, Ltd.	

Examiner Signature	<i>Luchetti</i>	Date Considered	6-13-07
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Substitute for form PTO/SB/08A		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application Number	10/692,491
		Filing Date	10-24-2003
		First Named Inventor	Ernest Chen
		Art Unit	2616
		Examiner Name	RAO, Seema Srinivas <i>DUC Ad</i>
Date: <i>October 24, 2006</i>			
Sheet 1 of 1	Attorney Docket Number	PD-201150	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>DH</i>		US-2002/006795	01-2002	Norin et al.	<i>1-10</i>
<i>DH</i>		US-6,333,924	12-2001	Porcelli et al.	<i>1-1</i>
<i>DH</i>		US-2001/012322	08-2001	Nagaoka et al.	<i>1-1</i>

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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
<i>DH</i>		WO 2005/086444	09-2005	Thomson Licensing S.A.	<i>1-1</i>	
<i>DH</i>		WO 2005/074171	08-2005	Qualcomm Incorporated	<i>1-1</i>	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
<i>DH</i>		THE AUTHORITATIVE DICTIONARY OF IEEE STANDARDS TERMS; Seventh Edition, pp. 1047 – definition of "signal"	

Examiner Signature	<i>Luchetti</i>	Date Considered	<i>6-13-07</i>
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		Application Number	10/692,491
		Filing Date	October 24, 2003
		First Named Inventor	Ernest C. Chen
		Art Unit	2616
Date:	December 4, 2006	Examiner Name	CHIN, Wellington DUC HTO
Sheet 1 of 1		Attorney Docket Number	PD-201150

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DH		US-6,369,648	04-2002	Kirkman, George F.	—
DH		US-6,477,398	11-2002	Mills, Randell L.	—
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Examiner Signature	<i>Lucetta</i>	Date Considered	6-13-07
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